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instance, a vertically polarized wave in the orthogonal bipolarized signals passes the short-circuit rod 3 to proceed in the second propagation path 1b."

Please replace page 10, lines 14-25 with the following paragraph as follows:

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"Fig. 10 shows a section view of the essential part of a case provided in a fourth preferred embodiment of the invention. This embodiment differs from the third embodiment described above in that both waveguides 2a and 2b are straight and that the circuit substrate 4 is arranged in an orthogonal direction to the axial centers of the waveguides 2a and 2b. Thus the tip of the first probe 11 consisting of an L-shaped pin member extends into inside the first waveguide 2a, while that of the second probe 12 also consisting of an L-shaped pin member extends into inside the second waveguide 2b, and the ground pattern is provided on the surface of the circuit substrate 4."

In the Claims

Please cancel Claim 5 and rewrite Claims 1 and 4 in their entirety as follows (the changes in these claims from the previous version to the rewritten version are shown in Appendix A, with brackets for deleted matter and underlines for added matter):

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1. (Twice Amended) A converter for satellite communication reception, comprising:
 - a horn configured to receive first and second linear polarized waves orthogonal to each other;
 - a case having two waveguides configured to branch the first and second linear polarized waves, respectively, and to propagate the corresponding first and second linear polarized waves;
 - a circuit substrate fitted to the case and disposed whose plane is in parallel with a direction in which the first and second linear polarized waves propagate; and
 - two probes disposed on the circuit substrate, wherein the two probes face orthogonal to each other are respectively positioned within the corresponding

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waveguides, wherein the first and second linear polarized waves produce signals that can be simply amplified and synthesized by the two probes while on the circuit substrate.

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4. (Twice Amended) The converter for satellite communication reception according to Claim 1, wherein:

each of the two waveguides comprises a bending portion at which the corresponding linear polarized wave bends perpendicularly and propagates;

the two probes comprise electroconductive patterns overlying the circuit substrate; and

the electroconductive patterns are disposed between the corresponding bending portions and corresponding short caps, which serve as reflective faces, coupled to the circuit substrate.

REMARKS

Summary

Claims 1-5 were pending. Claim 5 has been canceled and Claims 1 and 4 have been amended. The amendment for Claims 1 and 4 includes brackets for deleted matter and underlines for added matter are in attached Appendix A. The amendments to the claims are supported in the specification. No new matter has been added.

In the Drawings

The Examiner objected to Figs. 1, 7, 8, 9 and 10. Applicants have submitted corrected drawings as shown on the substituted sheets with the proposed changes marked in red. No new matter has been added. Applicants will submit formal drawings once the Examiner has approved the corrected drawings.